Notice of Allowability	Application No.	Applicant(s)	Applicant(s)	
	10/626,812	CHESSMAN FT AI	CHESSMAN ET AL.	
	Examiner	Art Unit		
	Robert S. Tupper	2652		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	(OR REMAINS) CLOSED in) or other appropriate commi CIGHTS. This application is s	n this application. If not included unication will be mailed in due c	d ourse. T HIS	
1. \boxtimes This communication is responsive to <u>the application filed</u>	7/23/03.			
2. The allowed claim(s) is/are <u>9-23</u> .				
3. \boxtimes The drawings filed on <u>09 August 2004</u> are accepted by the	e Examiner.			
 4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE"	e been received. e been received in Applicatio ocuments have been receive	on No d in this national stage applicati		
noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit the subm	nitted. Note the attached EXA	AMINER'S AMENDMENT or NO	OTICE OF	
INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1) each sheet. Replacement sheet(s) should be labeled as such in the second sheet.	st be submitted. son's Patent Drawing Review s Amendment / Comment or 1.84(c)) should be written on the the header according to 37 CF	v (PTO-948) attached r in the Office action of the drawings in the front (not the book in the front).		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 			te the	
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date 7/23/03 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. Interview Si Paper No./ 08), 7. Examiner's	formal Patent Application (PTO- ummary (PTO-413), 'Mail Date Amendment/Comment Statement of Reasons for Allow ROBERT S. TUPPER PRIMARY EXAMINER GROUP 2500	vance M	

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1. The following is an examiner's statement of reasons for allowance:

Concerning claim 9, the prior art does not teach or suggest an assembly for securing at least one disk to a hub of a disk drive having a hub with a circumferential groove defined by at least one sloping surface, a disk clamp mounted over the hub, the disk clamp having a central opening defined by at least one angled surface located adjacent the at least one sloping surface, the disk clamp also having upper and lower surfaces, an integral peripheral flange extending radially outward and downward, and a circumferential groove in the upper surface, and a retaining member inserted in a gap between the at least one sloping surface and the at least one angled surface.

Concerning claim 11, the prior art does not teach or suggest an assembly for securing at least one disk to a hub of a disk drive having a hub with a circumferential groove defined by at least one sloping surface, a disk clamp mounted over the hub, the disk clamp having a central opening defined by at least one angled surface located adjacent the at least one sloping surface, the disk clamp also having an annular body with upper and lower surfaces, a peripheral edge, means spaced radially inward from the peripheral edge for allowing the the annular body portion to deflect in response to an axial load applied to it, and a circumferential groove in the upper surface, and a retaining member inserted in a gap between the at least one sloping surface and the at least one angled surface.

Both claims 9 and 11 are read in light of the specification and drawings for definition of the "means" (re claim 11), the locational terms "upper", "lower", "outward", and "downward", and the locations of the listed elements.

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Concerning claim 13, the prior art does not teach or suggest a method of securing one or more disks to a hub of a disk drive comprising providing a disk clamp with a central opening defined by at least one angled surface, providing a hub with a circumferential groove being defined by at least sloping surface, mounting the clamp over the hub so that the angled surface is adjacent the sloping surface, applying an axial load to the clamp, deflecting the clamp in response to the axial load to cause the angled surface to move away from the sloping surface, inserting a retaining member between the angled surface and the angled surface, and releasing the axial load causing the angled surface to move back toward the sloping surface to wedge the retaining member between the angled surface and the angled surface.

Concerning claim 19, the prior art does not teach or suggest a method of securing one or more disks to a hub of a disk drive comprising providing a unitary disk clamp having no screw holes, the clamp having a central opening defined by at least one angled surface and a lower peripheral flange extending radially outward and downward, providing a hub with a circumferential groove, mounting the clamp over the hub, applying an axial load to the clamp, deflecting the clamp in response to the axial load, inserting a retaining member between the angled surface and the circumferential groove, and releasing the axial load causing the angled surface to move back toward the circumferential groove to wedge the retaining member between the clamp and hub.

Both claims 13 and 19 are read in light of the specification and drawings for definition of the locational terms "outward" and "downward", the locations of the listed

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elements, and the configuration of the "circumferential groove" required to provide the listed function.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert S. Tupper whose telephone number is 571-272-7581. The examiner can normally be reached on Mon - Fri, 6:30 AM - 4:00 PM (first Fri off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Nguyen can be reached on 571-272-7579. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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